

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635706

Luminaire Tested: GWS-SA3E-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635706
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-735-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15262.9 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

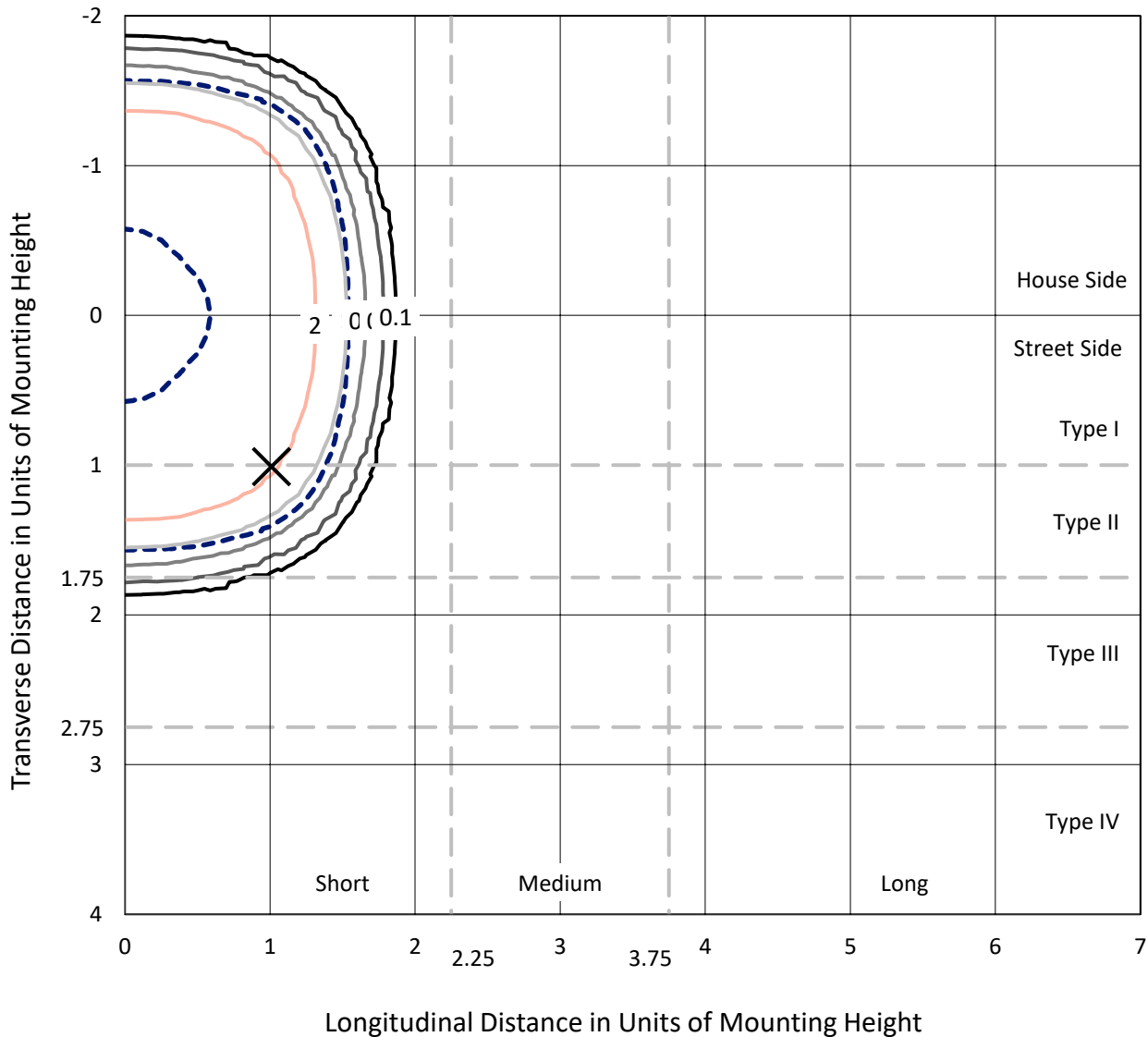
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635706
 CATALOG NUMBER: GWS-SA3E-735-U-5NQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

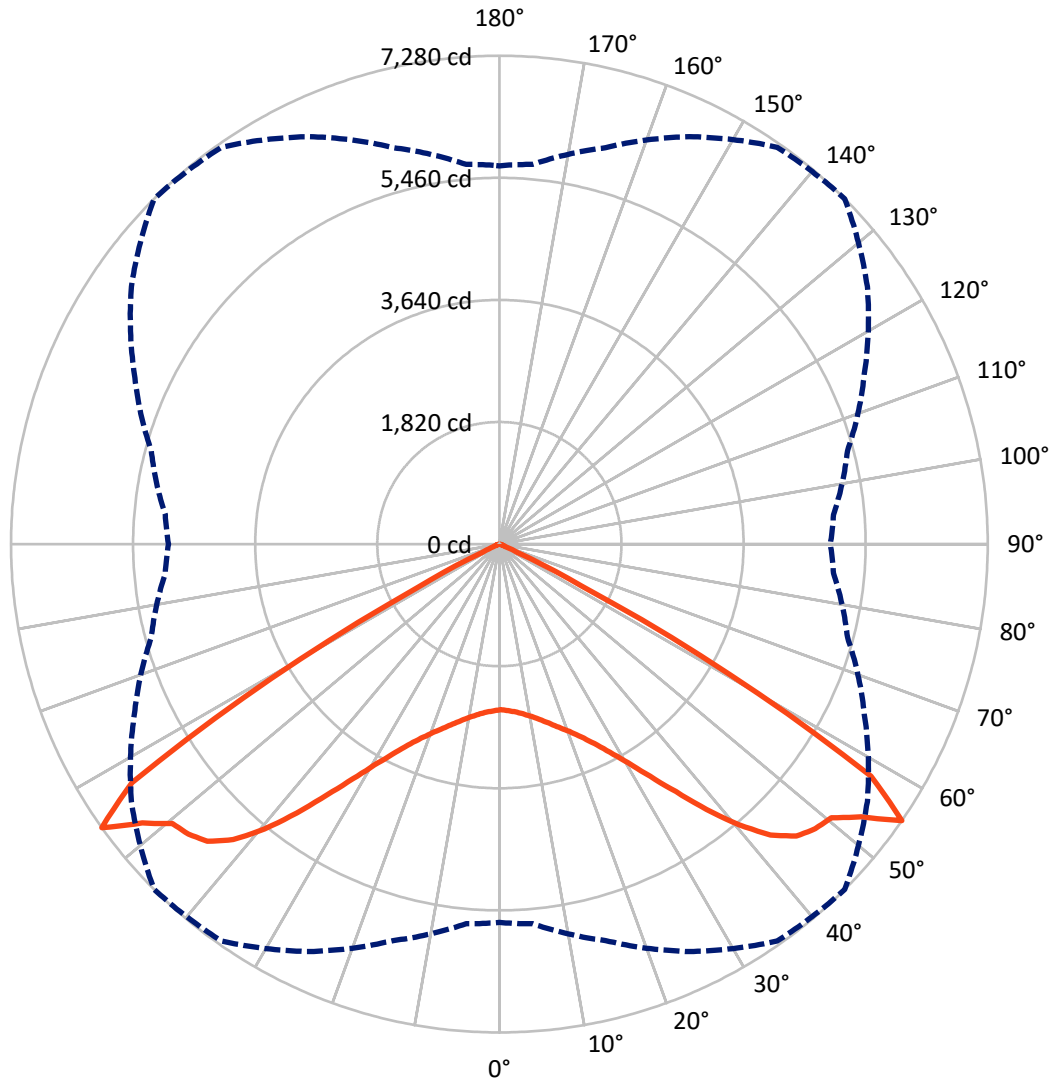
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

REPORT NUMBER: P635706
CATALOG NUMBER: GWS-SA3E-735-U-5NQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P635706

CATALOG NUMBER: GWS-SA3E-735-U-5NQ-W-GRSBK

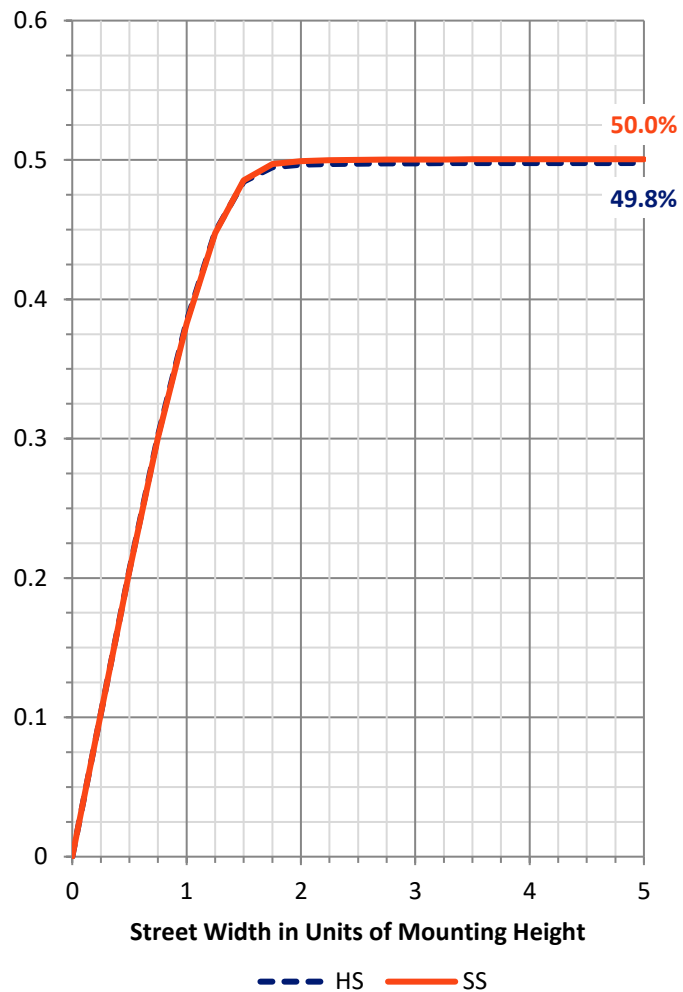
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7631.5	0.0	7631.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7631.5	0.0	7631.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15262.9	0.0	15262.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.8	1.6
10°-20°	783.7	5.1
20°-30°	1517.8	9.9
30°-40°	2719.3	17.8
40°-50°	4559.1	29.9
50°-60°	4880.2	32.0
60°-70°	536.3	3.5
70°-80°	23.6	0.2
80°-90°	1.1	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	15262.9	100.0
0°-180°	15262.9	100.0

Coefficient of Utilization



REPORT NUMBER: P635706

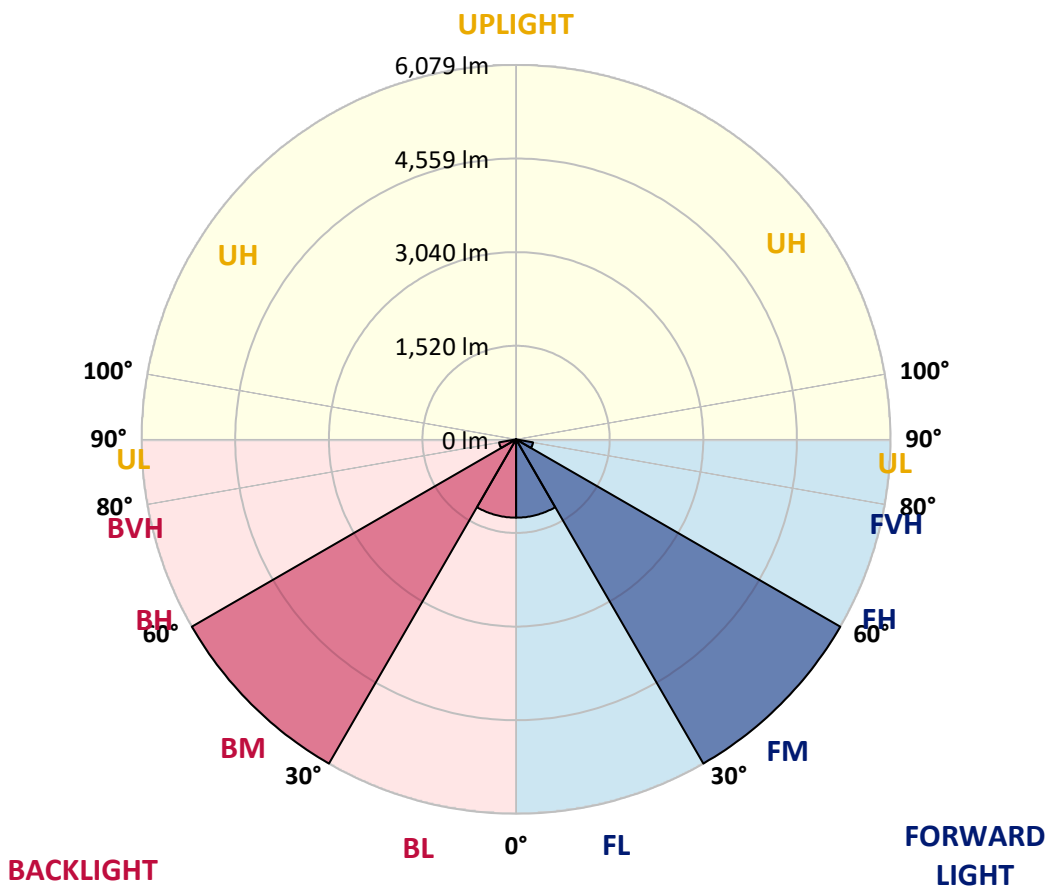
CATALOG NUMBER: GWS-SA3E-735-U-5NQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1271.7	8.3			
FM (30°-60°)	6079.3	39.8			
FH (60°-80°)	279.9	1.8			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1271.7	8.3	B3/2500		
BM (30°-60°)	6079.3	39.8	B4/8500		
BH (60°-80°)	279.9	1.8	B1/500		G0/660
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





REPORT NUMBER: P635706

CATALOG NUMBER: GWS-SA3E-735-U-5NQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2467.7	2467.7	2467.7	2467.7	2467.7	2467.7	2467.7	2467.7	2467.7	2467.7	2467.7
2.5°	2463.1	2463.1	2469.3	2473.9	2473.9	2486.4	2481.7	2477.0	2477.0	2470.8	2483.3
5°	2498.8	2497.3	2503.5	2506.6	2500.4	2512.8	2505.0	2500.4	2497.3	2491.0	2503.5
7.5°	2537.7	2539.2	2540.8	2547.0	2543.9	2556.3	2550.1	2540.8	2537.7	2528.4	2540.8
10°	2584.3	2584.3	2587.4	2595.2	2596.8	2612.3	2606.1	2595.2	2585.9	2576.6	2589.0
12.5°	2643.4	2645.0	2649.6	2660.5	2666.8	2683.9	2674.5	2652.8	2638.8	2627.9	2641.9
15°	2728.9	2727.4	2733.6	2749.2	2756.9	2769.4	2755.4	2725.8	2708.7	2696.3	2705.6
17.5°	2822.2	2822.2	2825.4	2840.9	2851.8	2870.5	2853.3	2817.6	2802.0	2784.9	2794.3
20°	2924.9	2929.5	2932.6	2943.5	2962.2	2980.9	2966.9	2931.1	2914.0	2892.2	2903.1
22.5°	3060.2	3055.5	3057.0	3075.7	3102.1	3120.8	3109.9	3067.9	3038.4	3021.3	3027.5
25°	3211.0	3209.4	3214.1	3242.1	3271.6	3291.8	3276.3	3221.9	3192.3	3162.8	3175.2
27.5°	3396.0	3397.6	3400.7	3434.9	3481.5	3511.1	3472.2	3417.8	3377.4	3338.5	3347.8
30°	3615.3	3612.2	3621.5	3668.1	3736.6	3783.2	3738.1	3661.9	3604.4	3567.1	3571.7
32.5°	3848.5	3851.6	3876.5	3951.1	4041.3	4123.7	4032.0	3930.9	3856.3	3786.3	3795.7
35°	4100.4	4108.2	4164.2	4274.6	4422.3	4532.7	4405.2	4238.8	4133.1	4042.9	4046.0
37.5°	4397.4	4416.1	4493.8	4658.7	4870.1	5017.8	4831.3	4610.4	4473.6	4361.7	4353.9
40°	4787.7	4809.5	4915.2	5111.1	5367.7	5503.0	5286.9	5059.8	4890.3	4769.1	4750.4
42.5°	5235.5	5263.5	5378.6	5579.2	5835.8	5927.5	5716.0	5524.8	5372.4	5229.3	5223.1
45°	5740.9	5756.5	5849.7	6003.7	6188.7	6210.5	6051.9	5946.2	5792.2	5658.5	5647.6
47.5°	6215.2	6230.7	6294.5	6373.8	6417.3	6339.6	6311.6	6264.9	6065.9	5901.1	5866.9
50°	6575.9	6588.4	6667.7	6698.8	6577.5	6412.6	6467.1	6367.5	6151.4	5966.4	5913.5
52.5°	6551.0	6582.1	6785.8	6963.1	6886.9	6753.2	6607.0	6392.4	6056.6	5803.1	5737.8
55°	5639.8	5681.8	6118.8	6701.9	7222.8	7280.3	6695.6	6003.7	5372.4	5000.7	4933.9
57.5°	3624.6	3635.5	4168.8	4986.7	6160.7	6530.8	5552.8	4526.5	3741.2	3332.3	3304.3
60°	1332.6	1310.8	1713.6	2391.5	3548.4	3940.3	3268.5	2288.9	1632.7	1343.5	1320.2
62.5°	320.3	323.4	401.2	601.8	1113.3	1377.7	1088.5	608.0	387.2	325.0	321.9
65°	161.7	158.6	160.2	172.6	237.9	284.6	233.2	164.8	158.6	160.2	158.6
67.5°	104.2	102.6	105.7	107.3	105.7	99.5	98.0	101.1	101.1	102.6	99.5
70°	63.8	62.2	65.3	70.0	66.9	59.1	62.2	65.3	62.2	60.6	60.6
72.5°	34.2	34.2	37.3	40.4	37.3	34.2	34.2	35.8	34.2	34.2	34.2
75°	15.5	15.5	17.1	18.7	15.5	15.5	15.5	15.5	15.5	15.5	15.5
77.5°	4.7	4.7	6.2	6.2	4.7	4.7	4.7	4.7	6.2	6.2	6.2
80°	1.6	3.1	3.1	1.6	1.6	1.6	1.6	1.6	3.1	3.1	3.1
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)